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PTO/SB/50 (02-01)

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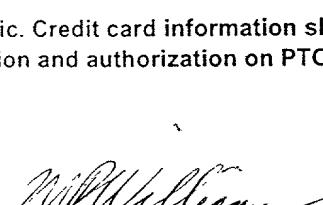


## REISSUE PATENT APPLICATION TRANSMITTAL

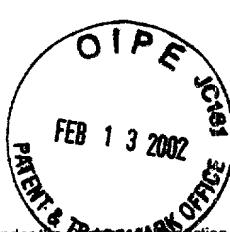
Address to:  Assistant Commissioner for Patents Box Reissue Washington, DC 20231		Attorney Docket No. C-2199Re First Named Inventor Dufner Original Patent Number 6,024,848 Original Patent Issue Date (Month/Day/Year) Feb. 15, 2000 Express Mail Label No. EL914566118 US	
APPLICATION FOR REISSUE OF: (Check applicable box)		<input checked="" type="checkbox"/> Utility Patent	<input type="checkbox"/> Design Patent
APPLICATION ELEMENTS (37 CFR 1.173)		ACCOMPANYING APPLICATION PARTS	
1. <input checked="" type="checkbox"/> Fee Transmittal Form (PTO/ SB/ 56) <small>(Submit an original, and a duplicate for fee processing)</small> 2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 3. <input checked="" type="checkbox"/> Specification and Claims in double column copy of patent format (amended, if appropriate) 4. <input checked="" type="checkbox"/> Drawing(s) (proposed amendments, if appropriate) 5. <input checked="" type="checkbox"/> Reissue Oath/Declaration (original or copy) <small>(37 C.F.R. § 1.175) (PTO/SB/51 or 52)</small> 6. <input checked="" type="checkbox"/> Power of Attorney  7. Original U.S. Patent currently assigned? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <small>(If Yes, check applicable box(es))</small> <input checked="" type="checkbox"/> Written Consent of all Assignees (PTO/SB/53) <input checked="" type="checkbox"/> 37 C.F.R. § 3.73(b) Statement (PTO/SB/96) 8. <input type="checkbox"/> CD-ROM or CD-R in duplicate, Computer Program (Appendix) or large table 9. Nucleotide and/or Amino Acid Sequence Submission <small>(if applicable, all of the following are necessary)</small> a. <input type="checkbox"/> Computer Readable Form (CFR) b. Specification Sequence Listing on: i <input type="checkbox"/> CD-ROM (2 copies) or CD-R (2 copies); or ii <input type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identity of above copies		10. <input checked="" type="checkbox"/> Statement of status and support for all changes to the claims. See 37 CFR 1.173 (c). 11. <input checked="" type="checkbox"/> Original U.S. Patent for surrender <input checked="" type="checkbox"/> Ribboned Original Patent Grant <input type="checkbox"/> Statement of Loss (PTO/SB/55) 12. <input type="checkbox"/> Foreign Priority Claim (35 U.S.C. 119) (if applicable) 13. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 14. <input type="checkbox"/> English Translation of Reissue Oath/Declaration (if applicable) 15. <input type="checkbox"/> Preliminary Amendment 16. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <small>(Should be specifically itemized)</small> 17. Other: Assignment for recording w/PTO-1595/dupl. <small>.....</small>	
18. CORRESPONDENCE ADDRESS			
<input type="checkbox"/> Customer Number or Bar Code Label <small>(Insert Customer No. or Attach bar code label here)</small>		<input type="checkbox"/> Correspondence address below	
Name M. P. Williams Address 210 Main Street  City Manchester State CT Zip Code 06040 Country USA Telephone 860-649-0305			
NAME (Print/Type) M. P. Williams Signature M. P. Williams		Registration No. (Attorney/Agent) 19,220 Date 2/13/02	

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REISSUE APPLICATION FEE TRANSMITTAL FORM					Docket Number (Optional) C-2199Re			
Claims as Filed - Part 1								
Claims in Patent		Number Filed in Reissue Application	(3) Number Extra	Small Entity		Other than a Small Entity		
				Rate	Fee	Rate	Fee	
(A) 14	Total Claims (37 CFR 1.16(j))	(B) 21	**** 1 =	x \$ _____ =		or	x \$ <u>18</u> = 18.00	
(C) 2	Independent claims (37 CFR 1.16(i))	(D) 6	* 4 =	x \$ _____ =			x \$ <u>84</u> = 336.00	
Basic Fee (37 CFR 1.16(h)) \$ _____					\$ 740.00			
Total Filing Fee \$ _____					\$ 1094.00			
Claims as Amended - Part 2								
	(1) Claims Remaining After Amendment		(2) Highest Number Previously Paid For	(3) Extra Claims Present	Small Entity		Other than a Small Entity	
					Rate	Fee	Rate	Fee
Total Claims (37 CFR 1.16(i))	***	MINUS	**	* =	x \$ _____ =		x \$ _____ =	
Independent Claims (37 CFR 1.16(i))	***	MINUS	*****	=	x \$ _____ =		x \$ _____ =	
Total Additional Fee \$ _____					\$ OR			
<p>* If the entry in (D) is less than the entry in (C), Write "0" in column 3.</p> <p>** If the "Highest Number of Total Claims Previously Paid For" is less than 20, Write "20" in this space</p> <p>*** After any cancellation of claims.</p> <p>**** If "A" is greater than 20, use (B - A); if "A" is 20 or less, use (B - 20).</p> <p>***** "Highest Number of Independent Claims Previously Paid For" or Number of Independent Claims in Patent (C).</p>								
<p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p><input checked="" type="checkbox"/> Please charge Deposit Account No. <u>50-1307</u> in the amount of <u>\$1094.00</u> A duplicate copy of this sheet is enclosed.</p> <p><input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 or 1.17 which may be required, or credit any overpayment to Deposit Account No. <u>50-1307</u> A duplicate copy of this sheet is enclosed.</p> <p><input type="checkbox"/> A check in the amount of \$ _____ to cover the filing / additional fee is enclosed.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p>								
<p><b>WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</b></p>								
<p>2/13/02</p> <p>Date</p>				 <p>Signature of Applicant, Attorney or Agent of Record</p>				
				<p>M. P. Williams</p> <p>Typed or printed name</p>				

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REISSUE APPLICATION FEE TRANSMITTAL FORM

Docket Number (Optional)  
C-2199Re

Claims as Filed - Part 1

Claims in Patent		Number Filed in Reissue Application	(3) Number Extra	Small Entity		Other than a Small Entity	
				Rate	Fee	Rate	Fee
(A) 14	Total Claims (37 CFR 1.16(j))	(B) 21	**** 1 =	x \$ _____ =		or	x \$ 18 = 18.00
(C) 2	Independent claims (37 CFR 1.16(j))	(D) 6	* 4 =	x \$ _____ =			x \$ 84 = 336.00
							\$ 740.00
						OR	\$ 1094.00

Claims as Amended - Part 2

	(1) Claims Remaining After Amendment		(2) Highest Number Previously Paid For	(3) Extra Claims Present	Small Entity		Other than a Small Entity	
					Rate	Fee	Rate	Fee
Total Claims (37 CFR 1.16(j))	***	MINUS	**	* =	x \$ _____ =		x \$ _____ =	
Independent Claims (37 CFR 1.16(j))	***	MINUS	*****	=	x \$ _____ =			
							OR	\$

\* If the entry in (D) is less than the entry in (C), Write "0" in column 3.

\*\* If the "Highest Number of Total Claims Previously Paid For" is less than 20, Write "20" in this space.

\*\*\* After any cancellation of claims.

\*\*\*\* If "A" is greater than 20, use (B - A); if "A" is 20 or less, use (B - 20).

\*\*\*\*\* "Highest Number of Independent Claims Previously Paid For" or Number of Independent Claims in Patent (C).

Applicant claims small entity status. See 37 CFR 1.27.

Please charge Deposit Account No. 50-1307 in the amount of \$1094.00  
A duplicate copy of this sheet is enclosed.

The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 or 1.17 which may be required, or  
credit any overpayment to Deposit Account No. 50-1307  
A duplicate copy of this sheet is enclosed.

A check in the amount of \$ \_\_\_\_\_ to cover the filing / additional fee is enclosed.

Payment by credit card. Form PTO-2038 is attached.

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be included on this form. Provide credit card information and authorization on PTO-2038.**

2/13/02

Date

Signature of Applicant, Attorney or Agent of Record

M. P. Williams

Typed or printed name

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: UTC Fuel Cells, LLCApplication No./Patent No.: 6,024,848 Filed/Issue Date: Feb. 15, 2000Entitled: Electrochemical Cell With a Porous Support PlateUTC Fuel Cells, LLC, a Delaware Limited Liability Company

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- the assignee of the entire right, title, and interest; or
- an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

A.  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 9871, Frame 0283 or for which a copy thereof is attached.

OR

B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Bryan Franz Dufner and Richard David Breault To: International Fuel Cells Corporation

The document was recorded in the United States Patent and Trademark Office at Reel 9871, Frame 0283, or for which a copy thereof is attached.

2. From: International Fuel Cells Corporation To: UTC Fuel Cells, LLC

The document was recorded in the United States Patent and Trademark Office at Reel           , Frame           , or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel           , Frame           , or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Feb. 6, 2002  
Date

Lynn Banis

Typed or printed name

Lynn Banis  
Signature

Secretary

Title

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Reissue application of

Bryan F. Dufner et al

Docket No. C-2199Re

Patent No. 6,024,848

Date: February 13, 2002

Granted: February 15, 2000

Title: ELECTROCHEMICAL CELL WITH  
A POROUS SUPPORT PLATE

Statement of Support (37 CFR 1.173(c))

Commissioner of Patents and Trademarks  
Washington, DC 20231

Sir:

This reissue application simply adds claims 15-21.

Claims 15, 16, 20 and 21 recite that the reactant gas pressure is higher, by 2-3 psi, than the pressure of the coolant stream. Support for this is at column 8, lines 19-22.

Claims 17 and 18 recite a support plate having a partially hydrophobic bilayer between a hydrophilic substrate layer and the membrane electrode assembly, with 50% - 80% hydrophobic material and 50% - 20% hydrophilic material. Support for this is at column 7, lines 48-51.

Claim 19 recites support plate porosity of 65% - 75%. Support for this is at column 7, lines 54-59.

Respectfully submitted,



M. P. Williams  
Attorney of Record  
Phone: 860-649-0305  
Fax: 860-649-1385